What is claimed is:

- 1. A method for introducing a foreign matter into a cell, comprising the steps of placing a small particle carrying a foreign matter at a part of a cell surface of a living cell, boring a hole in a cell wall and/or a cell membrane by irradiating and treating said part of the cell surface with a laser beam, and introducing the foreign matter into the living cell.
- 2. The method set forth in claim 1, wherein the living cell is a cell of a plant, and at least a part of the cell wall of the plant cell is removed.
- 3. The method set forth in claim 2, wherein said at least part of the cell wall is removed by irradiation with a laser beam or by irradiation with the laser beam and treatment with a hydrolysis enzyme in combination.
- 4. The method set forth in claim 1 or 2, wherein the small particle is a fine particle having a particle diameter of $0.01 \,\mu m$ to $10 \,\mu m$.
- 5. The method set forth in claim 1 or 2, wherein the small particle is a liposome including the foreign matter.
- 6. The method set forth in claim 1 or 2, wherein the small particle is a bead fixing the foreign matter.
- 7. The method set forth in claim 6, wherein the foreign matter is fixed by adding an aqueous solution containing at least the foreign matter and a curing agent into a water-in-oil type emulsion having a curable raw material in water, and forming a cured reaction product.
- 8. The method set forth in claim 7, wherein the curable raw material is sodium alginate, the curing agent is calcium chloride, and the cured reaction product is calcium alginate.
- 9. The method set forth in claim 1 or 2, wherein the laser is at least one laser selected from the group consisting of a YAG laser, an exima laser, an Ar ion laser, a nitrogen laser and a nitrogen-excited color laser.
- 10. The method set forth in claim 1 or 2, wherein the foreign matter is at least one material selected from the group consisting of a genetic material, á protein material, an organella, a physiologically active material and an indicating agent.
- 11. The method set forth in claim 10, wherein the genetic material is at least one selected from the group consisting of a DNA, a RNA, an oligonucleotide, a plasmid, a chromosome, an artificial chromosome, an organella DNA and a nucleic acid analogue.
 - 12. A method for introducing a foreign matter into a living cell, comprising the

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steps of irradiating a living cell with a laser beam, removing a part of a cell wall and/or a cell membrane of the living cell, and introducing the foreign matter into the living cell from a laser beam-irradiated site with use of a microinjector.

- 13. A method for introducing a foreign matter into a living cell, comprising the steps of irradiating a living cell with a laser beam, removing a part of a cell wall of the living cell, exposing a part of the cell membrane, placing, on the exposed cell membrane, a liposome including a foreign matter, fusing the exposed cell membrane with the liposome, and thereby introducing the foreign matter into the living cell.
- 14. The method set forth in claim 12 or 13, wherein the foreign matter is at least one material selected from the group consisting of a genetic material, a protein material, an organella, a physiologically active material and an indicating agent.
- 15. The method set forth in claim 14, wherein the genetic material is at least one material selected from the group consisting of a DNA, a RNA, an oligonucleotide, a plasmid, a chromosome, an artificial chromosome, an organella DNA and a nucleic acid analogue.
- 16. A method for preparing a spheroplast or a protoplast, comprising the steps of irradiating one or plural cells in a living tissue of a plant with a laser beam, removing a part of a cell wall of the cell or cell walls of the cells, treating the living tissue of the plant with a hydrolysis enzyme, and selectively removing only a cell wall or cell walls around a laser beam-irradiated site of the plant living tissue.
- 17. The method set forth in claim 16, wherein the living tissue of the plant is at least one selected from the group consisting of a leaf, a root, a stem, a shoot apex, a root apex, an embryo cell, a seed, a pollen, a callus, a suspended cell, an adventive embryo and a nairy root.
- 18. A transformed body in which a genetic material is introduced into a living sell by using the method set forth in claim 11 or 15.